

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: February 26, 2002, 10:44:15 : Search time 104.28 Seconds
(without alignments)
1479.013 Million cell updates/sec

Title: US-09-602-833a-3

Perfect score: 681

Sequence: 1 atgagaattcgtgatcgtgc.....cttttagcctcaatttga 681

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Length	DB ID	Description
1	37	5.4	241	1	US-08-594-031-152
2	35.6	5.2	12225	2	US-08-822-445-11
3	35.6	5.2	12616	2	US-08-822-445-9
4	35.4	5.2	1095	1	US-08-423-564-3
5	35.4	5.2	1287	1	US-08-423-564-4
6	35.4	5.2	2168	1	US-08-423-564-7
7	35.4	5.2	2255	1	US-08-423-564-1
8	34.2	5.0	3573	4	US-09-353-585-4
9	34.2	5.0	6471	4	US-09-353-585-1
10	33.6	4.9	3979	4	US-09-180-439-1
11	33.6	4.9	3979	4	US-09-180-439-2
12	33.6	4.9	4123	4	US-09-180-439-7
13	33.6	4.9	18596	4	US-09-318-448-11
14	32.8	4.8	1245	4	US-09-386-875-1
15	32.6	4.8	3541	4	US-09-180-439-5
16	32.4	4.8	1054	1	US-08-393-985-7
17	32.2	4.7	552	1	US-08-266-311-4
18	32.2	4.7	552	1	US-08-467-527a-4
19	32.2	4.7	552	1	US-08-467-528-4
20	32.2	4.7	556	1	US-08-266-311-12
21	32.2	4.7	566	1	US-08-467-527a-12
22	32.2	4.7	566	4	US-08-467-528-12
23	32.2	4.7	2610	1	US-08-266-311-2
24	32.2	4.7	2610	1	US-08-467-527a-2
25	32.2	4.7	2610	4	US-08-467-528-2
26	32.2	4.7	3868	1	US-08-266-311-8
27	32.2	4.7	3868	1	US-08-467-527a-8

C	28	32.2	4.7	3868	4	US-08-467-528-8	Sequence 8, Appli
	29	32	4.7	1094	4	US-09-144-918-3	Sequence 3, Appli
	30	32	4.7	1400	1	US-09-144-918-1	Sequence 1, Appli
	31	32	4.7	7101	1	US-08-480-604a-9	Sequence 9, Appli
	32	32	4.7	7101	4	US-08-405-496a-9	Sequence 9, Appli
	33	32	4.7	7101	2	US-08-915-136-9	Sequence 9, Appli
	34	31.8	4.7	332	4	US-09-221-298-6	Sequence 6, Appli
	35	31.8	4.7	510	4	US-09-117-257-49	Sequence 49, Appli
	36	31.8	4.7	6256	2	US-08-475-891a-1	Sequence 1, Appli
	37	31.8	4.7	6256	2	US-08-567-375-1	Sequence 1, Appli
	38	31.8	4.7	6256	2	US-08-587-680a-1	Sequence 1, Appli
	39	31.6	4.6	1275	2	US-08-741-437-2	Sequence 2, Appli
	40	31.6	4.6	1275	2	US-09-134-593-2	Sequence 2, Appli
	41	31.6	4.6	2334	1	US-08-062-632-4	Sequence 4, Appli
	42	31.6	4.6	2739	2	US-08-951-871-1	Sequence 1, Appli
	43	31.2	4.6	1222	1	US-08-220-958-5	Sequence 5, Appli
	44	31	4.6	2248	1	US-08-639-237-1	Sequence 1, Appli
	45	31	4.6	2248	1	US-08-975-405-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-594-031-152
Sequence 152, Application US/08594031
Patent No. 5783182
GENERAL INFORMATION:
APPLICANT: THOMPSON, Timothy C.
TITLE OF INVENTION: METHOD FOR IDENTIFYING METASTATIC SEQUENCES
NUMBER OF SEQUENCES: 175
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BAKER & BOTS, L.L.P.
STREET: 1299 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20004-2400
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/594,031
FILING DATE: 30-JAN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/006,838
FILING DATE: 16-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Remenick, James
REGISTRATION NUMBER: 36,902
REFERENCE/DOCKET NUMBER: 0A146-0110
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-639-7700
TELEFAX: 202-639-7890
TELEX:
INFORMATION FOR SEQ ID NO: 152:
SEQUENCE CHARACTERISTICS:
LENGTH: 241 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
US-08-594-031-152
Query Match 5.4%; Score 37; DB 1; Length 241;

[illegible]

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RESULT 2
US-08-822-445-11
; Sequence 11, Application US/08822445
; Patent No. 5952223
; GENERAL INFORMATION:
; APPLICANT: Kaplan, Jerry
; APPLICANT: Perou, Charles
; APPLICANT: Moore, Karen
; TITLE OF INVENTION: COMPOSITIONS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF CHEDIAK-HIGASHI SYNDROME
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennile & Edmonds
; STREET: 1155 Avenue of the Americas
; City: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,445
; FILING DATE: 21-MAR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-062-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1225 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 190..11208
; US-08-822-445-11

Query Match 5.2%; Score 35.6; DB 2; Length 12225;
Best Local Similarity 47.3%; Pred. No. 0.6;
Matches 107; Conservative 0; Mismatches 119; Indels 0; Gaps
402 gctgaaccctgaagaagctcactcgtgtagtcgtcagtcgggacatttggltgagctccc 461

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Db 7722 GCAGAGACTACAGAGGCTCTCTTTTACGAGTCACAGAGATTATTTATCAAGAAATTAA 7781
 QY 462 aacgcgccttctgtaacctacacaccccttaaatcttgaagccctatgtaacatcccat 521
 Db 7782 TTTCAGACATTATTGACATTTTGGAGAACTCCAGAAAAATGTAACCTCAAGAGAACCTCGAGT 7841
 QY 522 tgaataagcccaatgtgaagatgycaatgaataatgaagaagtgaacggaatcgccaaca 581
 Db 7842 TTTCAGAGCCGAATTTCTGAGAAAAATTTCTACTGTGACAGTCTTCTGTTTCAATCC 7901
 QY 582 ttctgaataagaagctatgaaagccatatacttgaagcccttaagaa 627
 Db 7902 AATTCAGAAAGAAATTTTATACATATCGGTAGAGAGATTCAAAAGTA 7947

```

1      RESULT      3
2      US-08-822-445-9
3      ; Sequence 9, Application US/08822445
4      ; Patent No. 5952223
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Kaplan, Jerry
7      ; APPLICANT: Perou, Charles
8      ; APPLICANT: Moore, Karen
9      ; TITLE OF INVENTION: COMPOSITIONS FOR THE DIAGNOSIS
10     ; TITLE OF INVENTION: AND TREATMENT OF CHEDIAK-HIGASHI SYNDROME
11     ; NUMBER OF SEQUENCES: 32
12     ; CORRESPONDENCE ADDRESS:
13     ; ADDRESSEE: Pennie & Edmonds
14     ; STREET: 1155 Avenue of the Americas
15     ; CITY: New York
16     ; STATE: New York
17     ; COUNTRY: USA
18     ; ZIP: 10036/2711
19     ; COMPUTER READABLE FORM:
20     ; MEDIUM TYPE: Diskette
21     ; COMPUTER: IBM Compatible
22     ; OPERATING SYSTEM: DOS
23     ; SOFTWARE: FASTSEQ Version 2.0
24     ; CURRENT APPLICATION DATA:
25     ; APPLICATION NUMBER: US/08/822.445
26     ; FILING DATE: 21-MAR-1997
27     ; CLASSIFICATION: 435
28     ; ATTORNEY/AGENT INFORMATION:
29     ; NAME: Coruzzi, Laura A.
30     ; REGISTRATION NUMBER: 30,742
31     ; REFERENCE/DOCKET NUMBER: 7853-062-999
32     ; TELECOMMUNICATION INFORMATION:
33     ; TELEPHONE: 212-790-9090
34     ; TELEFAX: 212-869-8864
35     ; TELEX: 66141 PENNIE
36     ; INFORMATION FOR SEQ ID NO: 9:
37     ; SEQUENCE CHARACTERISTICS:
38     ; LENGTH: 12616 base pairs
39     ; TYPE: nucleic acid
40     ; STRANDEDNESS: single
41     ; TOPOLOGY: linear
42     ; MOLECULE TYPE: DNA
43     ; FEATURE:
44     ; NAME/KEY: CDS
45     ; LOCATION: 190..11592
46     ; US-08-822-445-9
47
48     Query Match      5.2%; Score 35.6; DB 2; Length 12616;
49     Best Local Similarity 47.3%; Pred. No. 0.61;
50     Matches 107; Conservative 0; Mismatches 119; Indels 0; Gaps 0.
51
52     402 gcgcgaacccgaagaagcactcctctgttagctgctcagctggagacacattgctgtagagctccc 461
53         || || || || || || || || || || || || || || || || || || || || || || ||
54     db 8109 gcggaacactacgagagcctcactcgtttttgacagctacacgagcttttttatcgaataatttaa 8168
55         || || || || || || || || || || || || || || || || || || || || || || ||
56     462 aactgcctcttgcagctacatccacacaccttaaaatttgtlaagcctttagagacaacctcat 521

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Db 8169 TTCAGACATTTTGTGACACTCCAGAAATGTACTCAAGCAAGACCTAGT 8228
QY 522 tgataatgcccgaatgtgaagtgcaatgaataatggaagtgaacggatcgccaca 581
Db 8229 TTTCCAGACCCGAATTTCTGTGAGGAAATATTCATCATGACACAGCTCTTGTGTTTCAATCC 8288
QY 582 ttgtgataaagaagtattgaagccctattatgaagaccttaagaa 627
Db 8289 ATTTCAGAAAGAAATTTTTCATATCTGTGATGAGGATTCAGAA 8334

RESULT 4

US-08-423-564-3
; Sequence 3, Application US/08423564
; Patent No. 5654417
; Patent No. 5654417 5654417
; GENERAL INFORMATION:
; APPLICANT: Tarr, Phillip I.
; APPLICANT: Bilge, Sima S.
; APPLICANT: Vary, Jr., James C.
; TITLE OF INVENTION: NUCLEIC ACID PROBES FOR DETECTING E. coli O157:H7
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Christiansen, O'Connor, Johnson, Kindness
; STREET: 1420 5th Ave., Suite 2800
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101-2347
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/423,564
; FILING DATE: 14-Apr-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Broderick, Thomas F.
; REGISTRATION NUMBER: 31,332
; REFERENCE/DOCKET NUMBER: CHOR-1-8116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 682-8100
; TELEFAX: (206) 224-0779
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1095 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; DESCRIPTION: nucleotides 1029-2123 of SEQ ID NO:1
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Escherichia coli
; US-08-423-564-3

Query Match

Best Local Similarity 54.1%; Score 35.4; DB 1; Length 1095;
Matches 72; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 507 tatggacaatcctattgataatgcccaatgtgaagatgccaatgaataatggaagtga 566
Db 693 TATCTGGCTGCTATGAGATTAGCCAGTTAGAACAGCTGATGATTTATATCAGCAAA 752
QY 567 acggagatcgcaacatttgaataagaagtataagaagccctatatgaaagcccttaaga 626
Db 753 ACGTGAATGCTGATATTTATATAAAAAAATATACACAGCTCTTGTACAGTCCACAGGA 812

QY 627 aagaagaatcgtt 639
Db 813 AAGTAAAGATGTT 825

RESULT 5

US-08-423-564-4
; Sequence 4, Application US/08423564
; Patent No. 5654417
; Patent No. 5654417 5654417
; GENERAL INFORMATION:
; APPLICANT: Tarr, Phillip I.
; APPLICANT: Bilge, Sima S.
; APPLICANT: Vary, Jr., James C.
; TITLE OF INVENTION: NUCLEIC ACID PROBES FOR DETECTING E. coli O157:H7
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Christiansen, O'Connor, Johnson, Kindness
; STREET: 1420 5th Ave., Suite 2800
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101-2347
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/423,564
; FILING DATE: 14-Apr-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Broderick, Thomas F.
; REGISTRATION NUMBER: 31,332
; REFERENCE/DOCKET NUMBER: CHOR-1-8116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 682-8100
; TELEFAX: (206) 224-0779
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1287 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; DESCRIPTION: nucleotides 913-2199 of SEQ ID NO:1
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Escherichia coli
; US-08-423-564-4

Query Match

Best Local Similarity 54.1%; Score 35.4; DB 1; Length 1287;
Matches 72; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 507 tatggacaatcctattgataatgcccaatgtgaagatgccaatgaataatggaagtga 566
Db 809 TATCTGGCTGCTATGAGATTAGCCAGTTAGAACAGCTGATGATTTATATCAGCAAA 868
QY 567 acggagatcgcaacatttgaataagaagtataagaagccctatatgaaagcccttaaga 626
Db 869 ACGTGAATGCTGATATTTATATAAAAAAATATACACAGCTCTTGTACAGTCCACAGGA 928
QY 627 aagaagaatcgtt 639
Db 929 AAGTAAAGATGTT 941

RESULT 6
US-08-423-564-7

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Sequence 7, Application US/08423564
Patent No. 5654417
Patent No. 5654417 5654417
GENERAL INFORMATION:
APPLICANT: Tarr, Phillip I.
APPLICANT: Bilge, Sime S.
APPLICANT: Vary, Jr., James C.
TITLE OF INVENTION: NUCLEIC ACID PROBES FOR DETECTING E. COLI O157:H7
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Christiansen, O'Connor, Johnson, Kindness
STREET: 1420 5th Ave., Suite 2800
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101-2347
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/423,564
FILING DATE: 14-APR-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Broderick, Thomas F.
REGISTRATION NUMBER: 31,332
REFERENCE/DOCKET NUMBER: CHOR-1-8116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-8100
TELEFAX: (206) 224-0779
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2168 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
DESCRIPTION: nucleotides 32-2199 of SEQ ID NO:1
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Escherichia coli
US-08-423-564-7

Query Match          5.2%: Score 35.4; DB 1; Length 2168;
Best Local Similarity 54.1%: Pred. No. 0.28; 61; Indels 0; Gaps 0;
Matches 72; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 507 tatggacaatcctatgtaataatgccaatgtaagatggcaatgaataatggaagtga 566
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1690 TATTCGCCGCTGATAGATTAGCCCGAGTTAGAACAGCTGATTTATATCAGGAA 1749

QY 567 acgggatcgccaacatttgataaagaagtatagaagccctatatggaagccttaaga 626
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1750 ACGTGAATTCGCTGATTTATTAATAAATAATCAACAGCTTGTACAAAGTCACAGGA 1809

QY 627 aagagaatcgtt 639
    ||| | | | | |
DB 1810 AAGTAAAGATGTT 1822

RESULT 7
Sequence 1, Application US/08423564
Patent No. 5654417 5654417
GENERAL INFORMATION:
APPLICANT: Tarr, Phillip I.
APPLICANT: Bilge, Sime S.
APPLICANT: Vary, Jr., James C.
```

```
TITLE OF INVENTION: NUCLEIC ACID PROBES FOR DETECTING E. COLI O157:H7
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Christiansen, O'Connor, Johnson, Kindness
STREET: 1420 5th Ave., Suite 2800
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101-2347
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/423,564
FILING DATE: 14-APR-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Broderick, Thomas F.
REGISTRATION NUMBER: 31,332
REFERENCE/DOCKET NUMBER: CHOR-1-8116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-8100
TELEFAX: (206) 224-0779
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2255 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
DESCRIPTION: nucleotide sequence of the F12 region
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Escherichia coli
US-08-423-564-1

Query Match          5.2%: Score 35.4; DB 1; Length 2255;
Best Local Similarity 54.1%: Pred. No. 0.29; 61; Indels 0; Gaps 0;
Matches 72; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 507 tatggacaatcctatgtaataatgccaatgtaagatggcaatgaataatggaagtga 566
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1721 TATTCGCCGCTGATAGATTAGCCCGAGTTAGAACAGCTGATTTATATCAGGAA 1780

QY 567 acgggatcgccaacatttgataaagaagtatagaagccctatatggaagccttaaga 626
    ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1781 ACGTGAATTCGCTGATTTATTAATAAATAATCAACAGCTTGTACAAAGTCACAGGA 1840

QY 627 aagagaatcgtt 639
    ||| | | | | |
DB 1841 AAGTAAAGATGTT 1853

RESULT 8
Sequence 4, Application US/09353585
Patent No. 6287865
GENERAL INFORMATION:
APPLICANT: Dixon, Mark S
            Jones, David A
            Jones, Jonathan DG
TITLE OF INVENTION: Plant pathogen resistance genes and uses thereof
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon & Vanderhye PC
STREET: 8th Floor, 1100 No. 6287865th Glebe Road
CITY: Arlington
STATE: Virginia
```

```

?      COUNTRY: United States of America
?      ZIP: 22201-4714
?
?      COMPUTER READABLE FORM:
?      MEDIUM TYPE: floppy disk
?      COMPUTER: IBM PC compatible
?      OPERATING SYSTEM: PC-DOS/MS-DOS
?      SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
?      CURRENT APPLICATION DATA:
?      APPLICATION NUMBER: US/09/353,585
?      FILING DATE: 15-Jul-1999
?      CLASSIFICATION: C12N 15/29, 15/82, A01H 5/00, A01N 65/00, C12Q
?      1/68
?
?      PRIOR APPLICATION DATA:
?      APPLICATION NUMBER: US 08/930,277
?      FILING DATE: 27-OCT-1997
?      APPLICATION NUMBER: PCT/GB96/00785
?      FILING DATE: 01-APR-1996
?      APPLICATION NUMBER: GB 9506658.5
?      FILING DATE: 31-MAR-1995
?      ATTORNEY/AGENT INFORMATION:
?      NAME: Ms Mary J Wilson
?      REGISTRATION NUMBER: 32,955
?      REFERENCE/DOCKET NUMBER: 620-69
?      TELECOMMUNICATION INFORMATION:
?      TELEPHONE: (703) 816-4000
?      TELEFAX: (703) 816-4100
?      INFORMATION FOR SEQ ID NO: 4:
?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 3573 base pairs
?      TYPE: nucleic acid
?      STRANDEDNESS: double
?      TOPOLOGY: linear
?      MOLECULE TYPE: cDNA
?      HYPOTHEICAL: NO
?      ANTI-SENSE: NO
?      ORIGINAL SOURCE:
?      ORGANISM: Tomato
?      STRAIN: Cf2
?
?      SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-353-585-4
?
Query Match          5.0%; Score 34.2; DB 4; Length 3573:
Best Local Similarity 51.2%; Pred. No.0.86;
Matches 106; Conservative 0; Mismatches 99; Indels 3; Gaps 1;
OY    39   tcttcacagcaaacgcgttgcttgaagaacctgaaagacccaatgttggttcaacta 98
       ||||| ||||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db    1834 TATTTCCTCAAGAAATGAGTTACTTGTAGTTCCTTACTTATCTATCTTTGGTAATAACAC 1893
OY    99   tcctgaag--cattccctccagaattggagagtgtgaaaaacttagagaagactgatg 155
       ||||| ||||||| ||||| ||||| ||||| ||||| ||||| |||||
Db    1894 TCTTAATGAGACTTATTCCTCGCTTCATTGGAATATGAAATTCGCAAGCTCTGATTT 1953
OY    156   ttctgaaaacttagaatcaatgagcgctgccctttgaattaagtaattgaagcaagttac 215
       ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db    1954 CAATCATATCAATCTCATTTGGGAAATCCTTCATCTGTGTCAATTGCATTCACATCTGGA 2013
OY    216   atttgtagatatctcacgaacaagtt 242
       ||||| ||||| ||||| ||||| |||||
Db    2014 AGTGTTGTATATGCCGAGAACAAATTT 2040
?
RESULT           9
US-09-353-585-1
; Sequence 1, Application US/09353585
; Patent No. 6287865
; GENERAL INFORMATION:
; APPLICANT: Dixon, Mark S
; Jones, David A
; Jones, Jonathan DG
; TITLE OF INVENTION: Plant pathogen resistance genes and uses
; thercof

```

```

NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESS: Nixon & Vanderye PC
STREET: 8th Floor, 1100 No. 6287865th Glabe Road
CITY: Arlington
STATE: Virginia
COUNTRY: United States of America
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/353,585
FILING DATE: 15-Jul-1999
CLASSIFICATION: C12N 15/29, 15/82, A01H 5/00, A01N 65/00, C12Q
1/68
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/930,277
FILING DATE: 27-OCT-1997
APPLICATION NUMBER: PCT/GB96/00785
FILING DATE: 01-APR-1996
APPLICATION NUMBER: GB 9506658.5
FILING DATE: 31-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ms Mary J Wilson
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 620-69
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6471 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ORIGINAL SOURCE:
ORGANISM: Tomato
STRAIN: Cf2
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1754..5012
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 1677..1753
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-353-585-1

Query Match 5.0%, Score 34.2; DB 4; Length 6471;
Best Local Similarity 51.2%; Pred. No. 1.2;
Matches 106; Conservative 0; Mismatches 98; Indels 3; Gaps 1;

Oy 39 tcttcacagagaatcggctgtgttaagaacctgtaagaactgaatgtygggttcaacta 98
Db 3518 TATTCTTAAGAGAAATAGGTTACTTAAGTCTCTTACTTATCTATCTATGCGTAATACTC 3577
Oy 99 tctgaagag---catctccacagaacttggagatctgtgaataactagagagactgattg 155
Db 3578 TCTTAAATGAGACTTATTCCTGCTTCAATTGGCAATATGAGAAATCGCAAGCTGTATTCCT 3637
Oy 156 ttcttgaaactagaattaatgagagctgcaccttgaatlaagtaatttgaagcaagtac 215
Db 3638 CAATGATAACAATCTCATCTGGGGAATTCCTTCATCTGTGCAATTTGACATCACTGGA 3697
Oy 216 atttgatagatatcagcaacaagtt 242
Db 3698 AGTGTGTATATGCCGAGAAACAATTT 3724

```

RESULT 10
 US-09-180-439-1
 : Sequence 1, Application US/09180439
 : Patent No. 6225532
 : GENERAL INFORMATION:
 : APPLICANT: Dixon, Mark S
 : APPLICANT: Hatzixanthos, Kostas
 : APPLICANT: Jones, David A
 : APPLICANT: Jones, Jonathan DG
 : TITLE OF INVENTION: Plant pathogen resistance genes and uses thereof
 : FILE REFERENCE: 620 -53
 : CURRENT APPLICATION NUMBER: US/09/180,439
 : CURRENT FILING DATE: 1998-12-06
 : EARLIER APPLICATION NUMBER: PCT/GB97/01249
 : EARLIER FILING DATE: 1997-05-08
 : EARLIER APPLICATION NUMBER: GB 9609681.3
 : EARLIER FILING DATE: 1996-05-09
 : EARLIER APPLICATION NUMBER: GB 9619924.5
 : EARLIER FILING DATE: 1996-09-24
 : NUMBER OF SEQ ID NOS: 10
 : SOFTWARE: PatentIn Ver. 2.0
 : SEQ ID NO 1
 : LENGTH: 3979
 : TYPE: DNA
 : ORGANISM: Lycopersicon esculentum
 : US-09-180-439-1

Query Match	4.9%;	Score 33.6;	DB 4;	Length 3979;
Best Local Similarity	52.1%;	Pred. No. 1.4;		
Matches 100;	Conservative 0;	Mismatches 89;	Indels 3;	Gaps 1;
OY	39	tcttcacagaacatcgtgtgttgaagaacctgaagaactcaagtgtggttcaacta	98	
Db	1415	tattctgaagaatagttgttaccctaagtcacttactaagctattcttgggtacactt	1474	
OY	99	tcctgaagc---cattctccagaatttgggagattgtgaaatctcagagagctgattg	155	
Db	1475	tcttagtgggtccatctccgtcttcctcttgggaatctaacaactgtctaggttggacct	1534	
OY	156	tctctgaacatctagaatthaatgagcttgcctcttgaatgaatgaatcttgaagaacagttac	215	
Db	1535	ttacaataataagcttctctgctctatcttcctgaagaataggtttacctaaggtctcctaac	1594	
OY	216	atttgtgatatc	227	
Db	1595	ttacctgattt	1606	

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RESULT 11
US-09-180-439-2
; Sequence 2, Application US/09180439
; Patent No. 6225312
; GENERAL INFORMATION:
; APPLICANT: Dixon, Mark S
; APPLICANT: Hatzixanthis, Kostas
; APPLICANT: Jones, David A
; APPLICANT: Jones, Jonathan DG
; TITLE OF INVENTION: Plant pathogen resistance genes and uses thereof
; FILE REFERENCE: 620 - 53
; CURRENT APPLICATION NUMBER: US/09/180,439
; CURRENT FILING DATE: 1998-12-06
; EARLIER APPLICATION NUMBER: PCT/GB97/01249
; EARLIER FILING DATE: 1997-05-08
; EARLIER APPLICATION NUMBER: GB 9609681.3
; EARLIER FILING DATE: 1996-05-09
; EARLIER APPLICATION NUMBER: GB 9619924.5
; EARLIER FILING DATE: 1996-09-24
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
LENGTH: 3979

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: TYPE: DNA
: ORGANISM: Lycopersicon esculentum
US-09-180-439-2

Query Match          4.9%; Score 33.6; DB 4; Length 3979;
Best Local Similarity 52.1%; Pred. No. 1.4;
Matches 100; Conservative 0; Mismatches 89; Indels 3; Gaps 1;

QY 39 tcttcacgcagaatcggtgttcttgaagaacctgaagaactcaatgtygggtttcaacta 98
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Db 1415 tattcttgaagaataagttaccctaaggctcaactactaagctactctttgggtaccactt 1474

QY 99 tctgaagag---cattcctccagaatttggaggaatttgaagaatctagaagagctggattg 155
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1475 tcttagtggttcacttctctgcttcattgtggggagacttaacaacactgtctagtggtgactt 1534

QY 156 ttctgggaactctaagaatataatgtagagctgcgcctttggaattgaattttgaagcaagttac 215
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1535 ttacaataataagcttcttggtctatcttcctgaagaataatagttaccctaagttctctaac 1594

QY 216 attctagatat 227
    ||||| |
Db 1595 ttacttagattt 1606

```

RESULT 12
 US-09-180-439-7
 : Sequence 7, Application US/09180439
 : Patent No. 622532
 : GENERAL INFORMATION:
 : APPLICANT: Dixon, Mark S
 : APPLICANT: Halixanthis, Kostas
 : APPLICANT: Jones, David A
 : APPLICANT: Jones, Jonathan DG
 : TITLE OF INVENTION: Plant pathogen resistance genes and uses thereof
 : FILE REFERENCE: 620 - 33
 : CURRENT APPLICATION NUMBER: US/09/180.439
 : CURRENT FILING DATE: 1998-12-06
 : EARLIER APPLICATION NUMBER: PCT/GB97/01249
 : EARLIER FILING DATE: 1997-05-08
 : EARLIER APPLICATION NUMBER: GB 9609681.3
 : EARLIER FILING DATE: 1996-05-09
 : EARLIER APPLICATION NUMBER: GB 9619924.5
 : EARLIER FILING DATE: 1996-09-24
 : NUMBER OF SEQ ID NOS: 10
 : SOFTWARE: PatentIn Ver. 2.0
 : SEQ ID NO 7
 : LENGTH: 4123
 : TYPE: DNA
 : ORGANISM: Lycopersicon esculentum
 : US-09-180-439-7

Query Match	4.9%;	Score 5.36;	DB 4;	Length 4123;
Best Local Similarity	52.1%;	Pred. No. 1.4;		
Matches 100;	Conservative	0;	Mismatches 89;	Indels 3;
			Gaps	1;
QY	39	tcttcacagcgaatctggtgttttgaagaaccttgaagaactcaatgttgggttccaacta	98	
Db	1415	tattccgaagaatagttagtaccctcagtcagctactactaagctatcttttggatcaactt	1474	
QY	99	tctgaagaag---cattctctcagaatttggagatctgtggaatcttaagaagcagctgtt	155	
Db	1475	tcttagtgtgttccacttccctcctcattctgtgggaactcaacaactctgtctaggttggaact	1554	
QY	156	tcttcgaagatcctaagaatctaaatgagctgcaccttgaatctaaatcttgaagaacagttac	215	
Db	1535	ttacaataaataaggtttcttcgctctattctctgaagaataagtgtaactaagtcctctac	1594	
QY	216	attgtgatgatat	227	
Db	1595	ttacttagattt	1606	

